

Title (en)  
UPLINK POWER CONTROL METHOD, BASE STATION AND USER EQUIPMENT

Title (de)  
UPLINK-LEISTUNGSSTEUERVERFAHREN, BASISSTATION UND BENUTZERGERÄT

Title (fr)  
PROCÉDÉ DE COMMANDE DE PUISSANCE EN LIAISON MONTANTE, STATION DE BASE ET ÉQUIPEMENT UTILISATEUR

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Application  
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Abstract (en)  
An uplink power control method, a base station, and a user equipment are disclosed. A method provided in an embodiment of the present invention includes: sending, by a user equipment, uplink test signaling to transceivers for serving the user equipment, so that the transceivers calculate receive power of the uplink test signaling by testing the uplink test signaling; receiving, by the user equipment, the receive power of the uplink test signaling and transmit power of a common reference signal from the transceivers; receiving and testing, by the user equipment, the CRS sent by the transceivers to obtain receive power of the reference signal; calculating, by the user equipment, uplink path losses on paths between the user equipment and the transceivers according to the receive power of the uplink test signaling, the transmit power of the common reference signal, and the receive power of the reference signal; calculating, by the user equipment, an aggregate path loss according to the uplink path losses on paths between the user equipment and the transceivers; and calculating, by the user equipment, uplink transmit power according to the aggregate path loss.

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